



INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Complete if Known

Application Number 10/776,635  
Filing Date February 12, 2004  
First Named Inventor John J. ROSSI et al.  
Group Art Unit ~~1645~~ 1635  
Examiner Name To Be Assigned *Bourne*

Sheet 1 of 4

Attorney Docket Number 1954-418

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
<i>AMB</i>	AA	6,506,559	B1	Fire et al.	January 14, 2003
<i>AMB</i>	AB	20Q2/0086356	A1	Thomas Tuschl et al.	July 4, 2002
<i>AMB</i>	AC	2002/0173478	A1	Alan Gewirtz	November 21, 2002

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
<i>AMB</i>	AD	PCT	WO 02/44321	A2	MAXPLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN E.V.	June 6, 2002	
<i>AMB</i>	AE	PCT	WO 03/022052	A1	California Institute of Technology	March 20, 2003	

Examiner Signature	<i>AMBourne</i>	Date Considered	8/10/05
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	Examiner Name	To Be Assigned <i>Burman</i>
Sheet 2 of 4	Attorney Docket Number	1954-418

NON-PATENT LITERATURE DOCUMENTS			
<i>AMB</i>	AF	Barton, Gregory M., et al., "Retroviral delivery of small interfering RNA into primary cells," <i>PNAS</i> 99(23):14943-14945, November 12, 2002.	
	AG	Brummelkamp, Thijn R., et al., "A System for Stable Expression of Short Interfering RNAs in Mammalian Cells," <i>Science</i> 296:550-553, April 19, 2002.	
	AH	Caplen, Natasha J., et al., "Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems," <i>PNAS</i> 98(17):9742-9747, August 14, 2001.	
	AI	Clemens, James C., et al., "Use of double-stranded RNA interference in <i>Drosophila</i> cell lines to dissect signal transduction pathways," <i>PNAS</i> 97(12):6499-6503, June 6, 2000.	
	AJ	Devroe, Eric, et al., "Retrovirus-delivered siRNA," <i>BMC Biotechnology</i> 2(15):1-5, August 28, 2002.	
	AK	Elbashir, Sayda M., et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells," <i>Nature</i> 411:494-498, May 24, 2001.	
	AL	Elbashir, Sayda M., et al., "RNA interference is mediated by 21- and 22-nucleotide RNAs," <i>Genes &amp; Development</i> 15:188-200, 2001.	
	AM	Fire, Andrew, "RNA-triggered gene silencing," <i>TIG</i> 15(9):358-363, September 1999.	
	AN	Fire, Andrew, "Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> ," <i>Nature</i> 391:806-811, February 19, 1998.	
	AO	Good, PD, et al., "Expression of small, therapeutic RNAs in human cell nuclei," <i>Gene Therapy</i> 4:45-54, 1997.	
	AP	Hamilton, Andrew, et al., "Two classes of short interfering RNA in RNA silencing," <i>The EMBO Journal</i> , Vol. 21, No. 17, pp. 4671-4679, 2002	
<i>✓</i>	AQ	Hammond, Scott M., et al., "An RNA-directed nuclease mediates post-transcriptional gene silencing in <i>Drosophila</i> cells," <i>Nature</i> 404:293-296, March 16, 2000.	

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	Examiner Name	To Be Assigned <i>Bowman</i>
Sheet 3 of 4	Attorney Docket Number	1954-418

NON-PATENT LITERATURE DOCUMENTS			
<i>AMB</i>	AR	Herman, James G., et al., "Methylation-specific PCR: A novel PCR assay for methylation status of CpG islands," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 93, pp. 9821-9826, September 1996.	
<i> </i>	AS	Kawasaki et al., "Short hairpin type of dsRNAs that are controlled by tRNA <sup>Val</sup> promoter significantly induce RNAi-mediated gene silencing in the cytoplasm of human cells," <i>Nucleic Acids Research</i> 31(2):700-707, January 2003.	
<i> </i>	AT	Kennerdell, Jason R., et al., "Use of dsRNA-Mediated Genetic Interference to Demonstrate that <i>frizzled</i> and <i>frizzled 2</i> Act in the Wingless Pathway," <i>Cell</i> 95:1017-1026, December 23, 1998.	
<i> </i>	AU	Lee et al., "Expression of small interfering RNAs targeted against HIV-1 rev transcripts in human cells," <i>Nature Biotechnology</i> 19:500-505, May 2002.	
<i> </i>	AV	Lipardi, Concetta, et al., "RNAi as Random Degradative PCR: siRNA Primers Convert mRNA into dsRNAs that are Degraded to Generate New siRNAs," <i>Cell</i> 107:297-307, November 2, 2001.	
<i> </i>	AW	Miyagishi et al., "U6 promoter-driven siRNAs with four uridine 3' overhangs efficiently suppress targeted gene expression in mammalian cells," <i>Nature Biotechnology</i> 19:497-500, May 2002.	
<i> </i>	AX	Paddison et al., "Short hairpin RNAs (shRNAs) induce sequence-specific silencing in mammalian cells," <i>Genes and Development</i> 16:948-958, March 2002.	
<i> </i>	AY	Paul, Cynthia P., et al., "Effective expression of small interfering RNA in human cells," <i>Nature Biotechnology</i> 29:505-508, May 2002.	
<i> </i>	AZ	Scherr, Michaela, et al, "Rapid determination and quantitation of the accessibility to native RNAs by antisense oligodeoxynucleotides in murine cell extracts," <i>Nucleic Acids Research</i> 26(22):5079-5085, 1998.	
<i>↓</i>	BA	Sharp, Phillip A., et al., "RNA interference - 2001," <i>Genes &amp; Development</i> 15:485-490, 2001.	
<i>↓</i>	BB	Shi, Y., "Mammalian RNAi for the masses," <i>Trends in Genetics</i> 19(1):9-12, January 2003.	

Examiner Signature	<i>Atkinson</i>	Date Considered	<i>8/12/05</i>
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NON-PATENT LITERATURE DOCUMENTS			
<i>AMB</i>	BC	Shinagawa et al., "Generation of <i>Ski</i> -knockdown mice by expressing a long double-strand RNA from an RNA polymerase II promoter," <i>Genes and Development</i> 17:1340-1345, April 2003.	
	BD	Sijen, Titia, et al., "On the Role of RNA Amplification in dsRNA-Triggered Gene Silencing," <i>Cell</i> 107:465-476, November 16, 2001.	
	BE	Sui, Guangchao, et al., "A DNA vector-based RNAi technology to suppress gene expression in mammalian cells," <i>PNAS</i> , Vol. 99, No. 8, pp. 5515-5520, April 16, 2002.	
	BF	Svoboda, Petr, et al., "Selective reduction of dormant maternal mRNAs in mouse oocytes by RNA interference," <i>Development</i> 127:4147-4156, 2000.	
	BG	Tuschl et al., "Expanding small RNA interference," <i>Nature Biotechnology</i> 20:446-448, May 2002.	
	BH	Wianny, Florence, et al., "Specific interference with gene function by double-stranded RNA in early mouse development," <i>Nature Cell Biology</i> 2:70-75, February 2000.	
<i>✓</i>	BI	Yu, Jenn-Yah, et al., "RNA interference by expression of short-interfering RNAs and hairpin RNAs in mammalian cells," <i>PNAS</i> 99(9):6047-6052, April 30, 2002.	

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